

ABSTRACT

5 The field of the invention is that of onboard terrain anticollision systems for aircraft. Collisions with the terrain while the aircraft is fully controlled have been and still remain one of the main causes of air disasters. Several generations of devices for warning of risk of collision with the terrain have been developed for some thirty years now. The most advanced of these
10 systems comprise means of alarm differing according to the maneuver to be performed by the pilot. It is of course vital that the recommended maneuver best guarantee the safety of the aircraft. The device according to the invention proposes a device comprising the calculation of several different safety surfaces or profiles. Their comparisons with the topographic data of
15 the surrounding terrain make it possible to deduce therefrom the best alarm and the best maneuver to be performed to avoid the collision between the aircraft and the ground.